

OPM-x/1x/2x Optical Power Meters

— A cute tool for optical network test

Description



The ShinewayTech® OPM-x/1x/2x optical power meters are compact, lightweight and easy-to-use testing instruments for optical fiber network, with unique characteristics of quick testing. Widely favored for their quality, value, reliability, accuracy and safety.

The pocket-size OPM series can support accurate testing of single mode and multimode optical fiber systems, with features of large LCD display, damp and shock proof design and dual-way powering system. The internal microprocessor and linear amplifier technology ensure the long-time accuracy. Besides, OPM-2x has a large memory capacity of 3200 records and can transfer the measurement data to a PC for editing and printing.

Ideal for both laboratory and field applications by using concise function keys to implement quick, high accuracy testing. Under the situation of laboratory, LANs, WANs and CATV as well as long-distance optical network, the Optical Power Meters, together with ShinewayTech's Stabilized Laser Sources, can be used to identify optical fiber, measure optical attenuation, verify continuity and evaluate fiber link transmission quality.

Features

- *Pocket-size, large easy to read LCD display, easy to use*
- *Fast response, no warm up*
- *Measure six wavelengths through a single connector*
- *Direct loss measurement units in dB*
- *Absolute power measurement units in dBm and or μ W*
- *Interchangeable fiber-optic adapters (choice of FC, SC or ST)*
- *Dual-way powering system including a 9V battery and an optional power adapter*
- *Damp, dust and shock proof design*
- *PC software available for testing data collection and report generation (only available for OPM-2x)*



Shineway Technologies Inc.

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- Auto off function conserving battery life
- CE, FCC certificate

Technical Specifications

Optical Specifications		OPM-5	OPM-10			OPM-15			OPM-21			OPM-25		
			A	B	C	A	B	C	A	B	C	A	B	C
Calibrated Wavelength (nm) ⁽¹⁾		633,650, 670,850	850,1300, 1310,1550			850,1300, 1310,1490, 1550			850,1300, 1310,1490, 1550			850,1300, 1310,1490, 1550,1625		
Measure ment Range (dBm) ⁽²⁾	-50~+10	✓												
	-70~+10		✓			✓			✓			✓		
	-50~+27			✓			✓			✓			✓	
	-60~+17				✓			✓			✓			✓
Functions		W/μW/dBm, auto-zeroing				W/μW/dBm/dB(REF), auto-zeroing								
Data Storage		N/A							3200 records					
Interface		N/A							RS-232					
Detector Type		Si	InGaAs											
Range of Use		plastic/ multiple mode fiber	Single/multiple mode fiber											
Optical Connector ⁽³⁾		FC (interchangeable SC,ST)												
Accuracy		±0.25 dB (5%) @25℃& -10dBm												
Resolution(dB)		0.01												
Auto Shut Off		5 minutes after last key has been depressed												
General Specifications														
Power Supply		9V Alkaline battery(450mAh) / optical 9V AC adapter												
Battery Life		≥40hrs. Typical operation with 9V Alkaline												
Operating Temperature		0℃ to 50℃												
Storage Temperature		-20℃ to 60℃												
Relative Humidity		0 to 95% (non-condensing)												
Weight		0.66 lbs (300g)												
Size(H×W×T)		5.7×2.9×1 inch (145×75×25mm)												

Note:

- (1) Other wavelength and measurement can customize.
- (2) For 850nm, the lower limit of measurement range is -60 dBm.
- (2) For plastic mode fiber, Optical Connector is special.

Specifications subject to change without notice;

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Ordering Information

Standard Configuration:

Instrument, 9V alkaline battery, OPM data analysis software disk(for OPM-21/25), Data transfer cable(for OPM-21/25), Rubber boot, Warranty card, CE certificate, Certificate of Calibration, User's manual.

Optional Accessory:

Part Description	Part Number	Part Description	Part Number
3 m, optical patch cord	P/N:AC-FJC-03-FC/FC	50 m, optical patch cord	P/N:AC-FJC-50-FC/FC
SC connector for PM	P/N:AC-CONN-SC-P-300	AC adapter for US	P/N:AC-ADPT-10-US
ST connector for PM	P/N:AC-CONN-ST-P-300	Compact carrying softbag	P/N:AC-PB-10

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